

Title (en)  
LAMINATE HONEYCOMB MATERIAL

Title (de)  
LAMINIERTES HONIGWABENMATERIAL

Title (fr)  
MATERIAU STRATIFIE EN NID D'ABEILLES

Publication  
**EP 0969961 A4 20030723 (EN)**

Application  
**EP 99904360 A 19990127**

Priority  
• US 9901787 W 19990127  
• US 1446098 A 19980128

Abstract (en)  
[origin: WO9938682A1] A colinear laminate honeycomb panel (10) permits the use of two or more different materials to form a single panel. In this manner, a retractable cover for an architectural opening may be formed that has a different appearance depending upon which side of the panel is being viewed. The resultant panel is formed by attaching a plurality of elongated precursor tubular cells, wherein each precursor tubular (12) itself comprises at least two strips (14, 16) of material held in proximity to one another by a common carrier strip (26).

IPC 1-7  
**B32B 3/12**; **E06B 9/262**

IPC 8 full level  
**B31D 3/02** (2006.01)

CPC (source: EP US)  
**B31D 3/0207** (2013.01 - EP US); **Y10T 156/101** (2015.01 - EP US); **Y10T 156/1015** (2015.01 - EP US); **Y10T 156/1043** (2015.01 - EP US); **Y10T 156/1092** (2015.01 - EP US); **Y10T 428/24116** (2015.01 - EP US); **Y10T 428/24149** (2015.01 - EP US); **Y10T 428/24165** (2015.01 - EP US)

Citation (search report)  
• [XA] US 5620035 A 19970415 - JUDKINS REN [US]  
• [XA] EP 0692602 A1 19960117 - NEWELL OPERATING CO [US]  
• [X] US 5188160 A 19930223 - JELIC RALPH [US]  
• See references of WO 9938682A1

Designated contracting state (EPC)  
DE GB NL

DOCDB simple family (publication)  
**WO 9938682 A1 19990805**; AU 2477299 A 19990816; AU 736418 B2 20010726; AU 736418 C 20020328; CA 2285689 A1 19990805; CA 2285689 C 20070508; EP 0969961 A1 20000112; EP 0969961 A4 20030723; US 6103336 A 20000815; US 6461464 B1 20021008

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**US 9901787 W 19990127**; AU 2477299 A 19990127; CA 2285689 A 19990127; EP 99904360 A 19990127; US 1446098 A 19980128; US 56821300 A 20000509